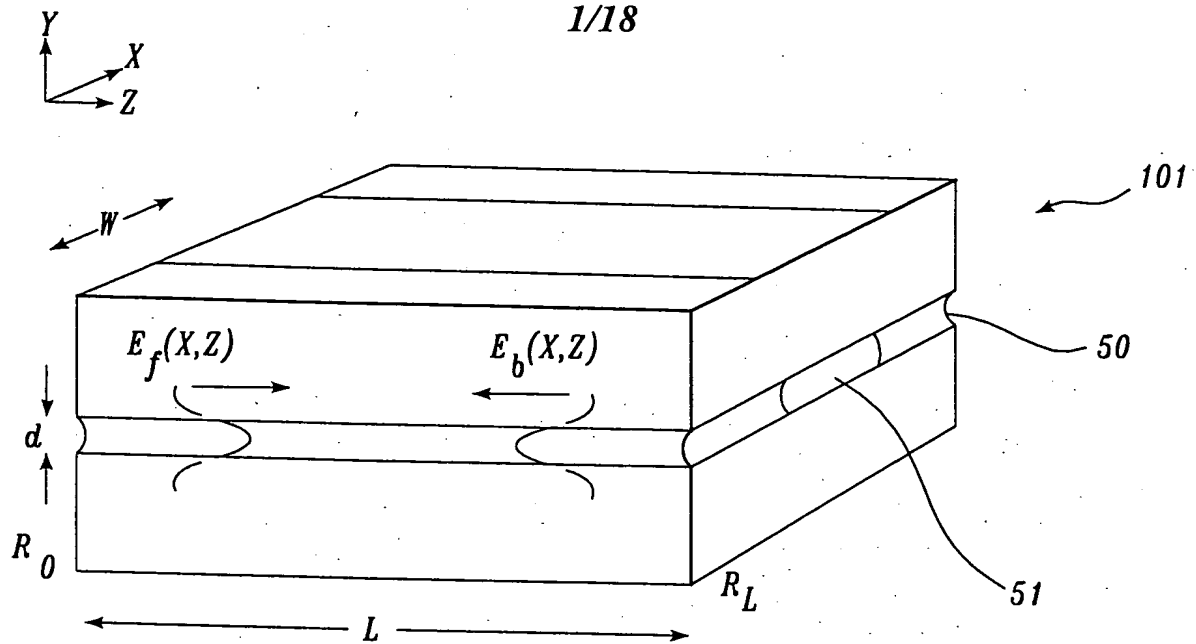
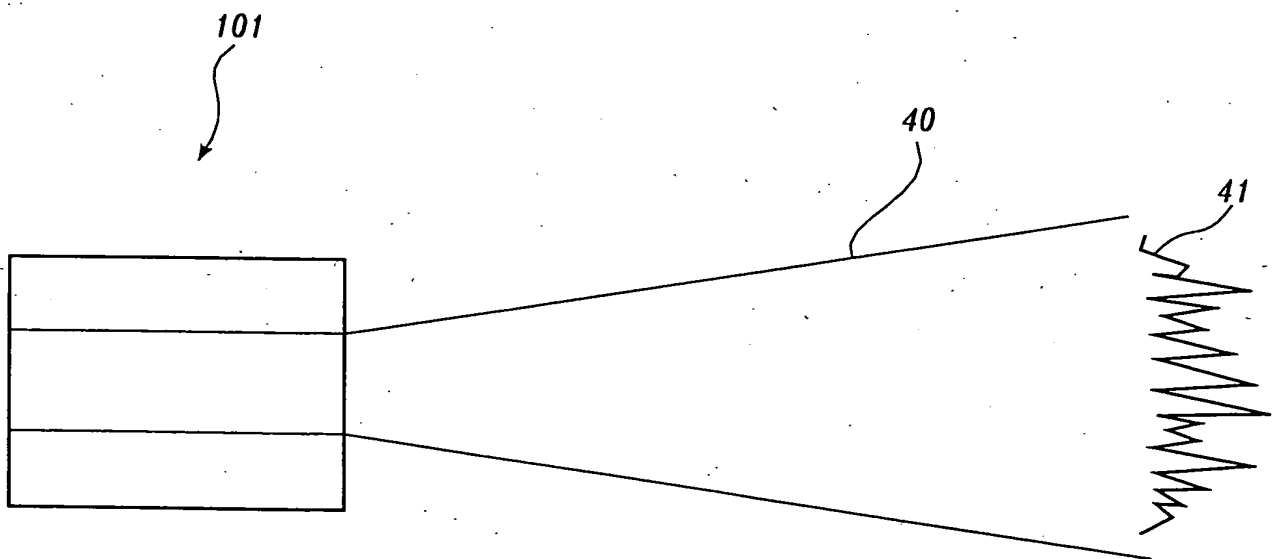


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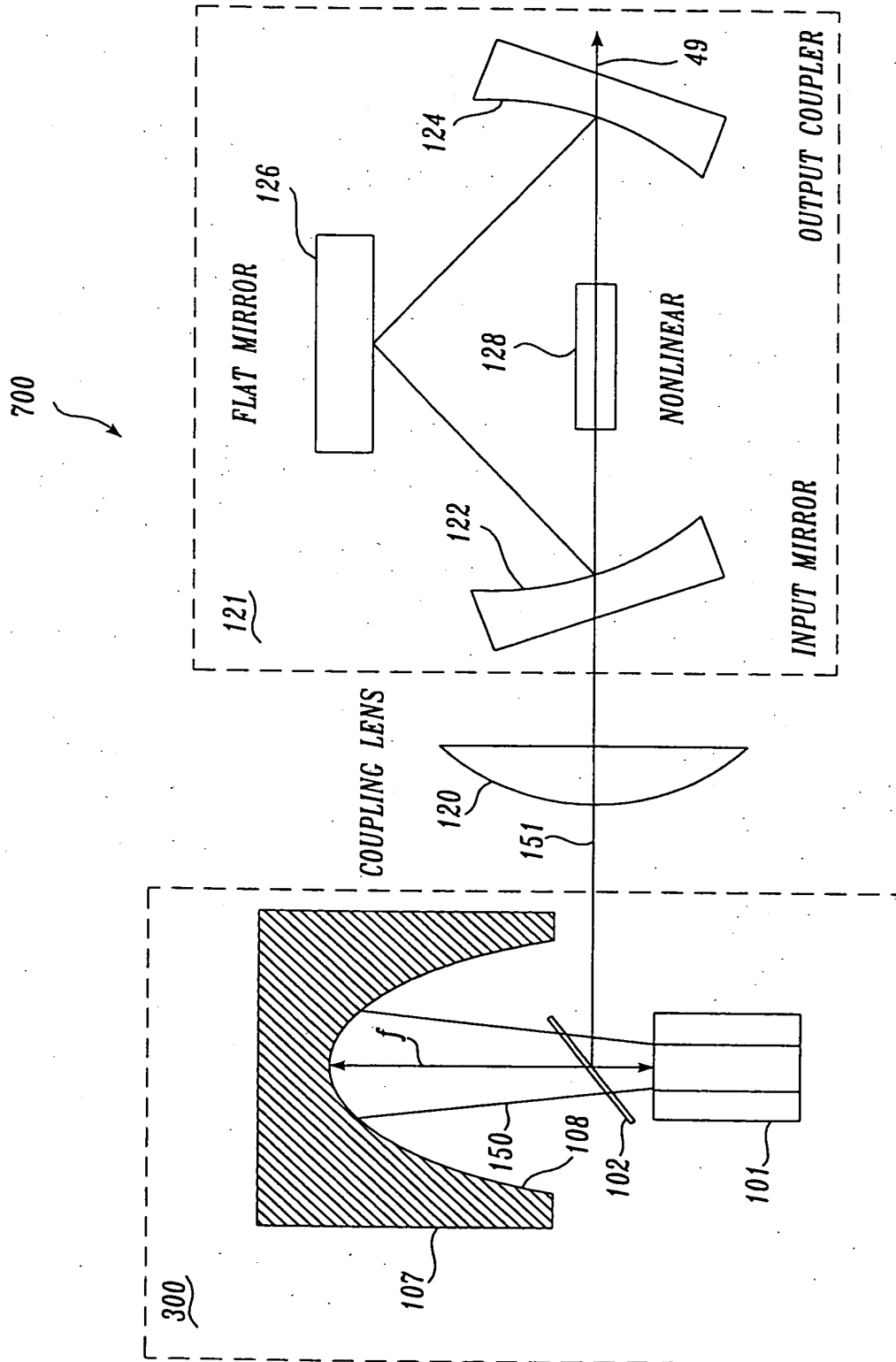


*Fig. 1A.*



*Fig. 1B.*

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*Fig. 2A.*

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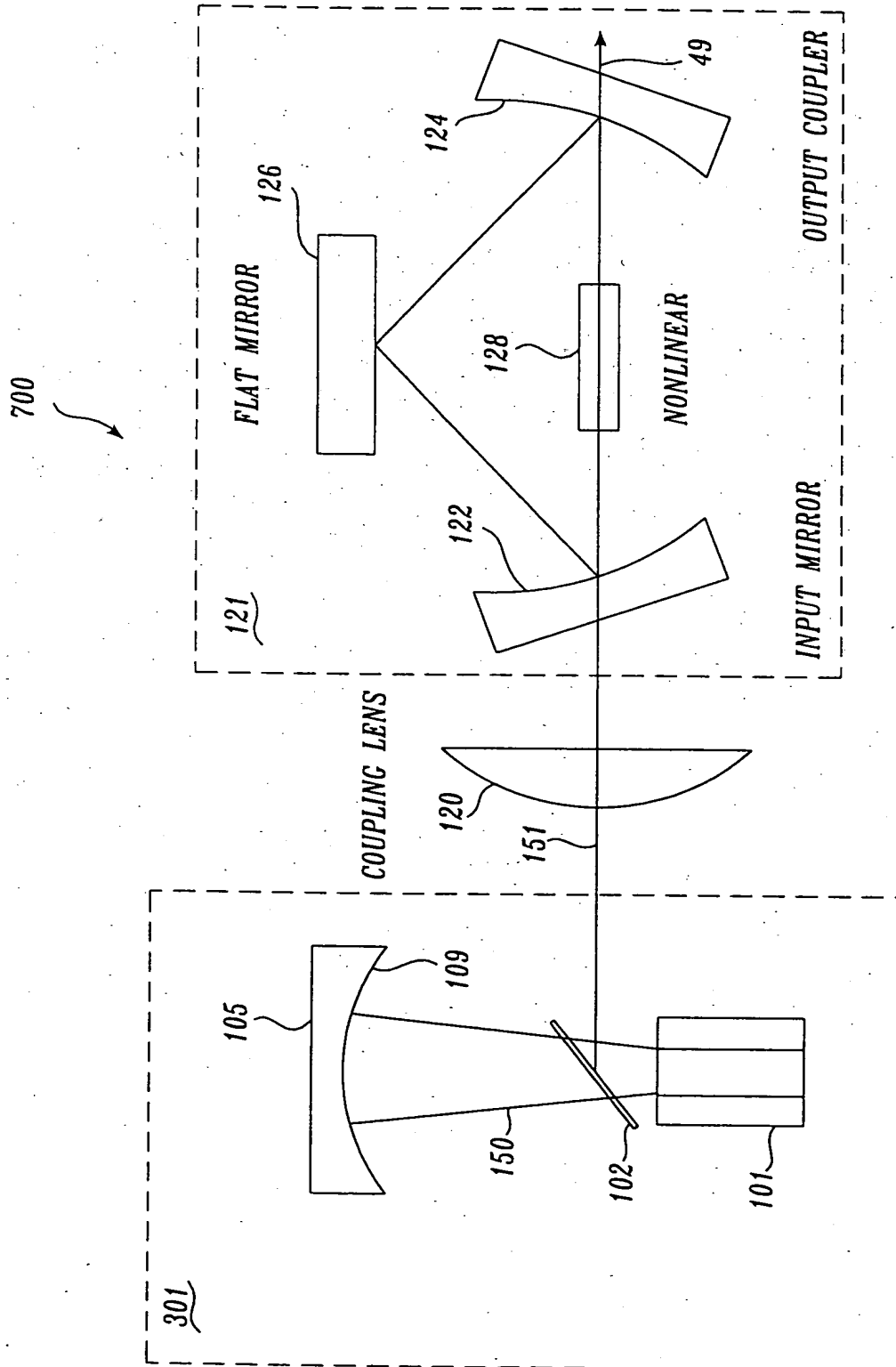
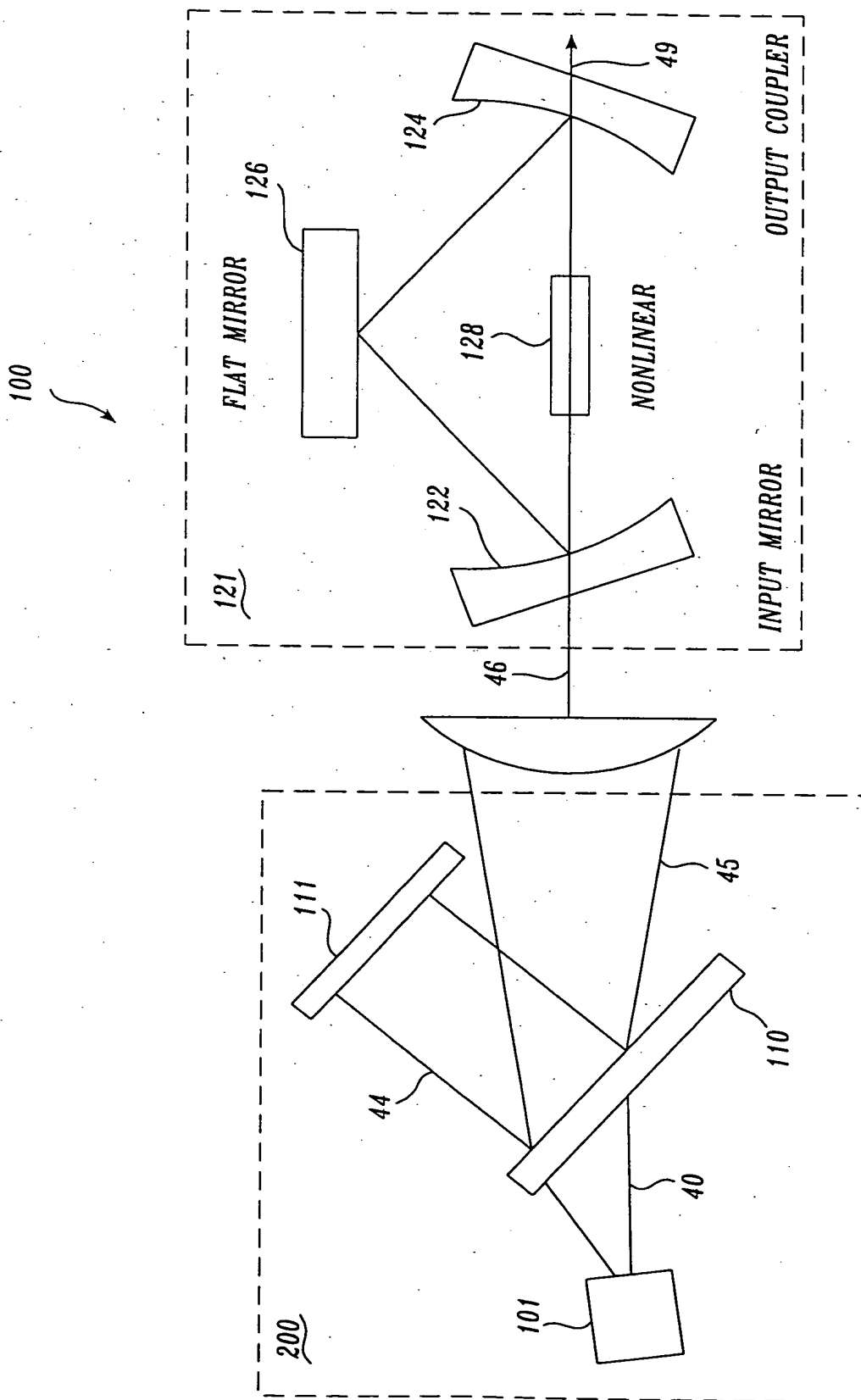


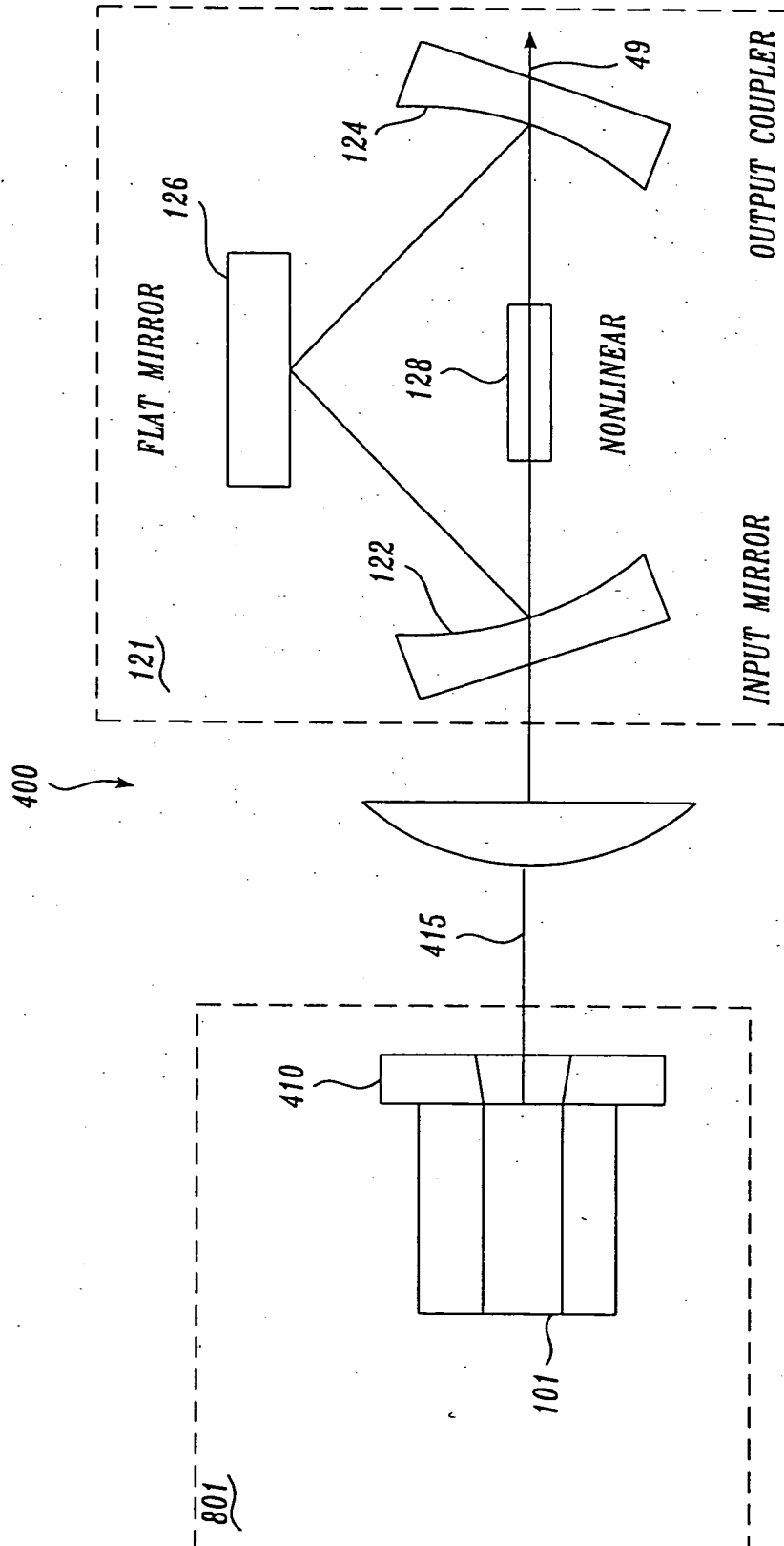
Fig. 2B.

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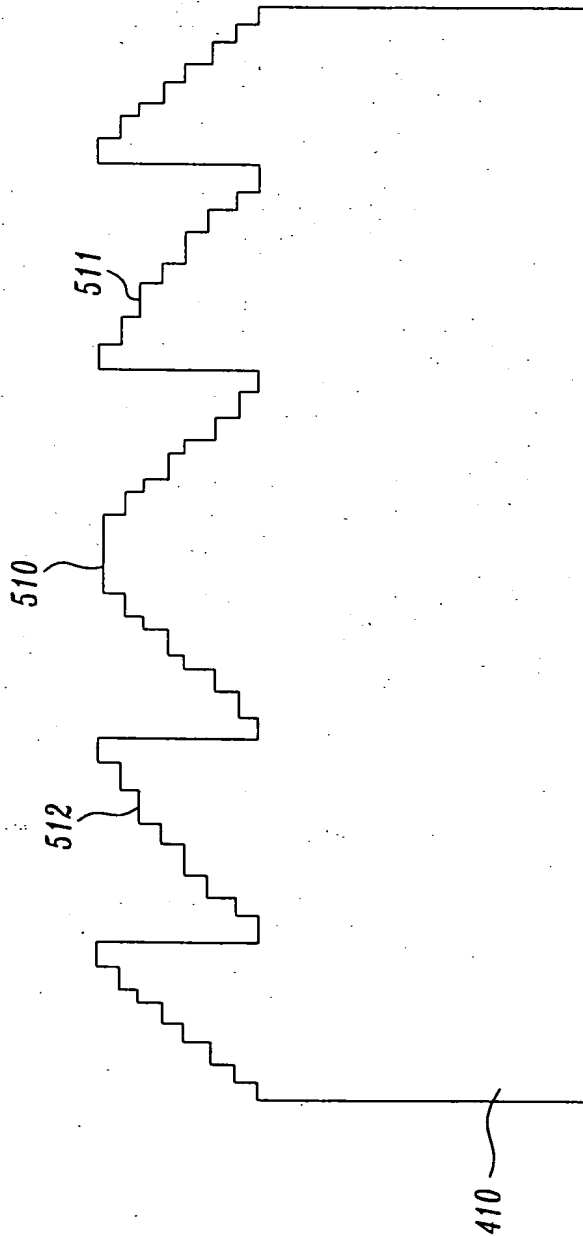
*Fig. 3.*

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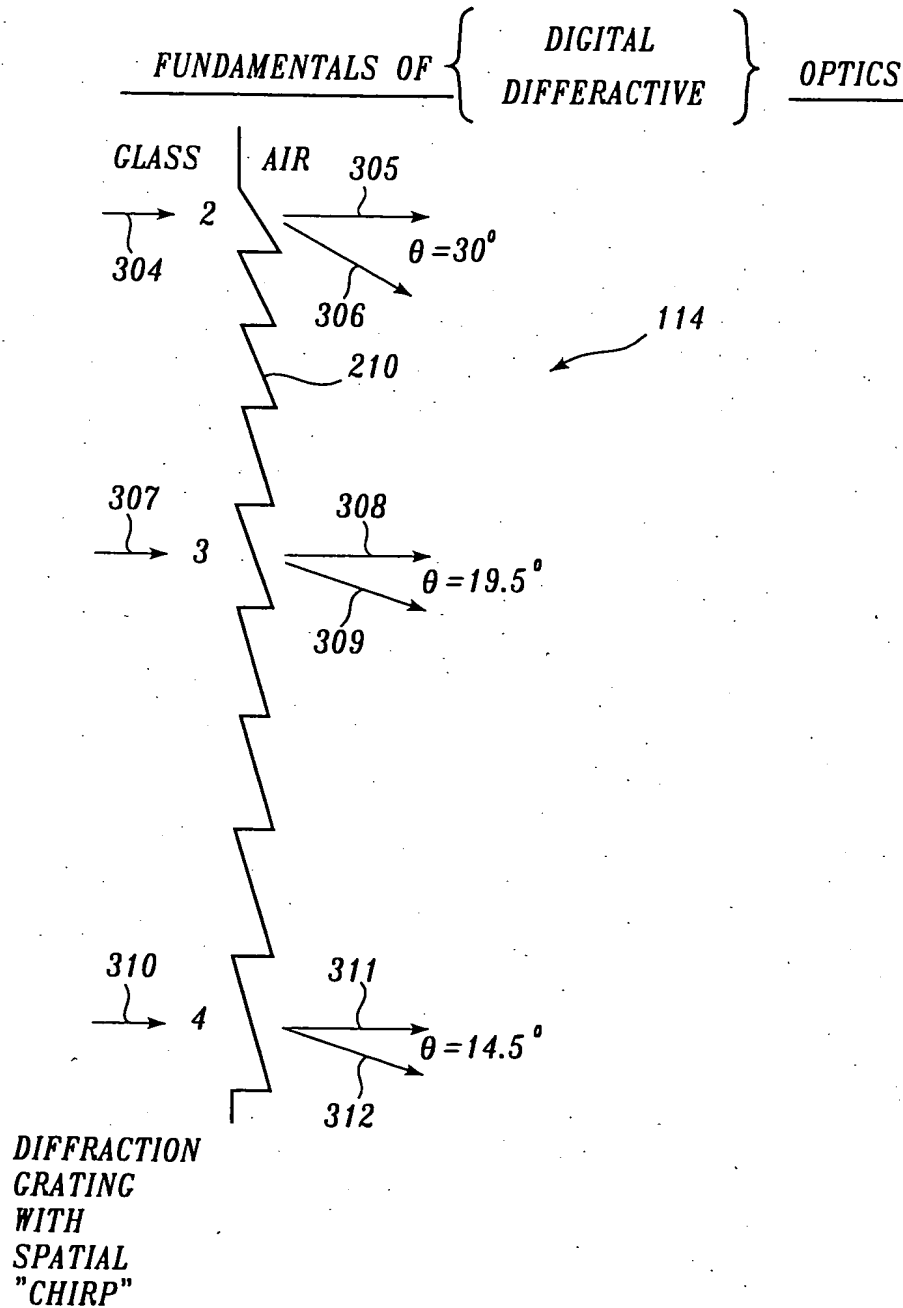
*Fig. 4.*

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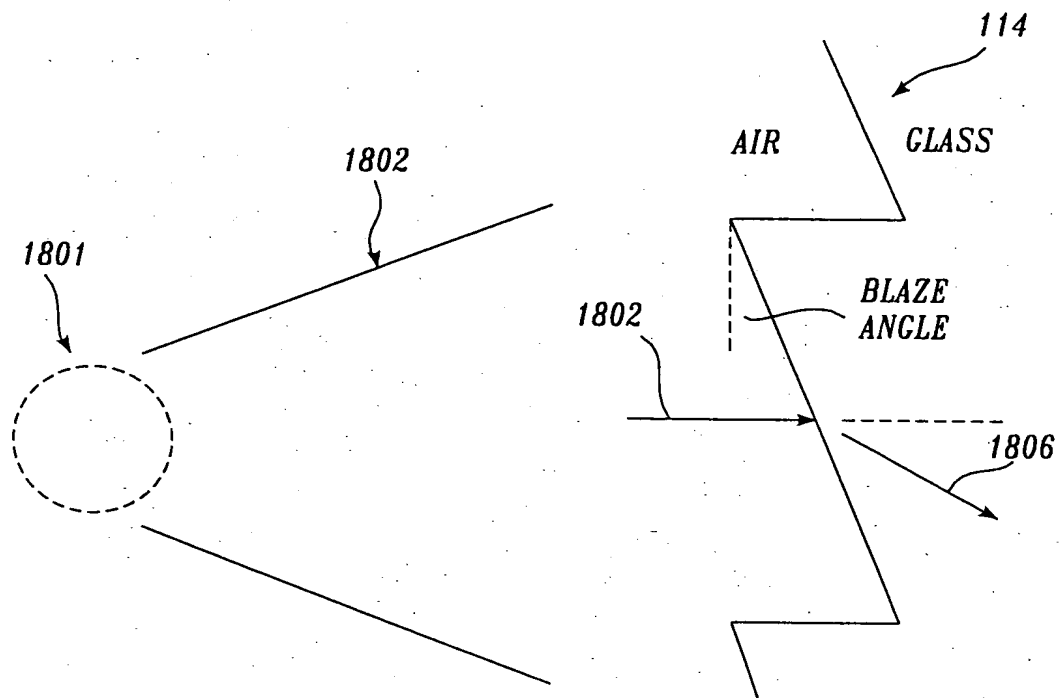
*Fig. 5.*

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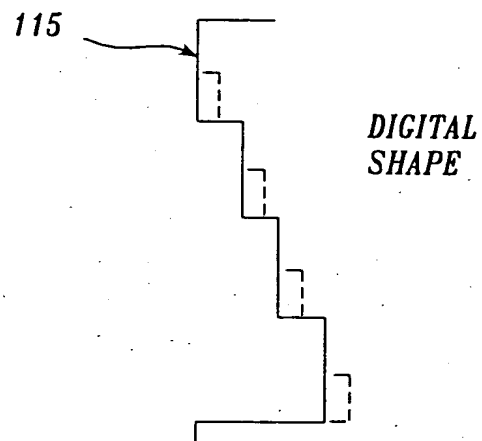


*Fig. 6.*

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*Fig. 7A.*



*Fig. 7B.*



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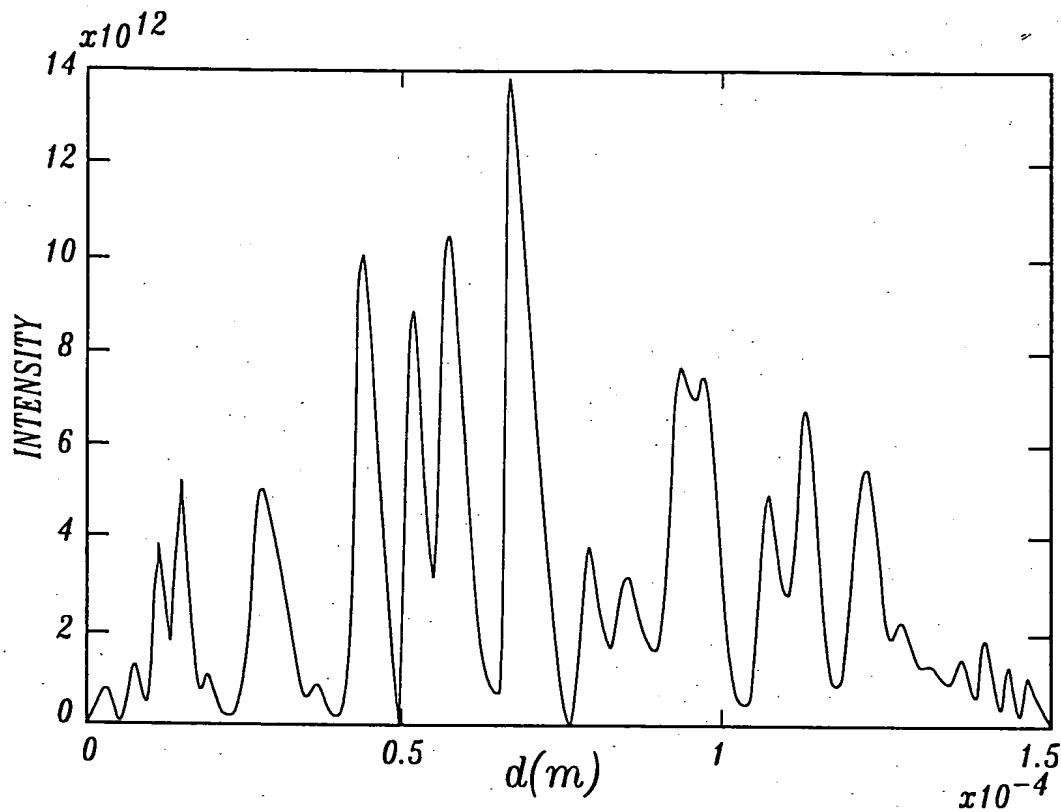
PHYSICAL QUANTITY	SYMBOL	VALUE
LASER WAVELENGTH	$\lambda$	980 nm
GAIN REGION LENGTH	$L$	250 $\mu\text{m}$
CONTACT STRIPE WIDTH	$w$	100 $\mu\text{m}$
ACTIVE LAYER THICKNESS	$d$	1 $\mu\text{m}$
TRANSVERSE CONFINEMENT FACTOR	$\Gamma$	0.2
FACET REFLECTIVITIES	$R_0 R_L$	0.05
EFFECTIVE INDEX	$n_{eff}$	3.5
KERR COEFFICIENT	$n_2$	0.0
LINEWIDTH-ENHANCEMENT FACTOR	$\alpha$	3.0
INTERNAL LOSS	$\alpha_{int}$	1000 $\text{m}^{-1}$
GAIN CROSS SECTION	$\alpha$	$1.5 \times 10^{-20} \text{m}^2$
DIFFUSION CONSTANT	$D$	0.0033 $\text{m}^2/\text{s}$
TRANSPARENCY CARRIER DENSITY	$N_0$	$1.0 \times 10^{24} \text{m}^3$
NON-RADIATIVE LIFETIME	$\tau_{nt}$	5ns
SPONTANEOUS-EMISSION COEFFICIENT	$B$	$1.4 \times 10^{-16} \text{m}^3/\text{s}$

*Fig. 8.*

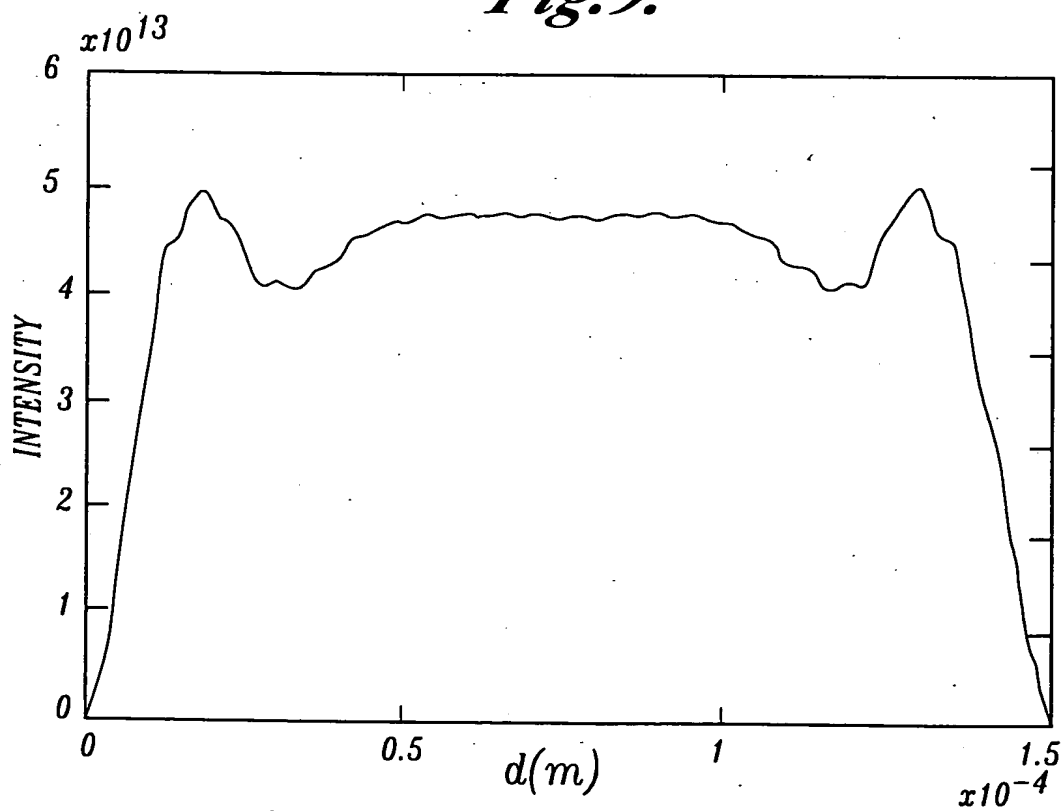
Title: HIGH-POWER BLUE AND GREEN LIGHT LASER  
GENERATION FROM HIGH-POWERED DIODE LASERS

Inventor: Ruey-Jen Hwu  
Docket No.: HWUJ122333

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*Fig. 9.*

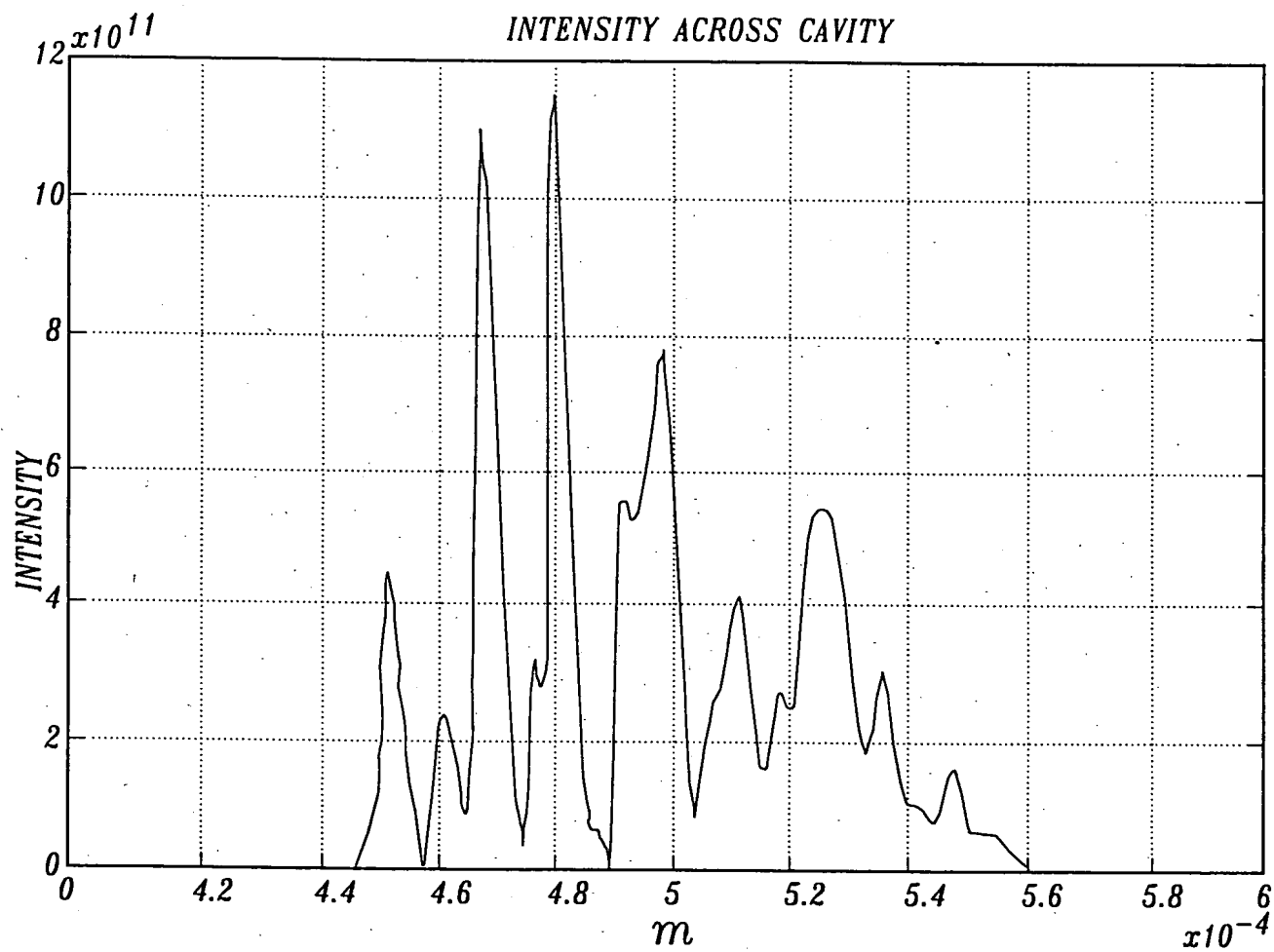


*Fig. 10.*

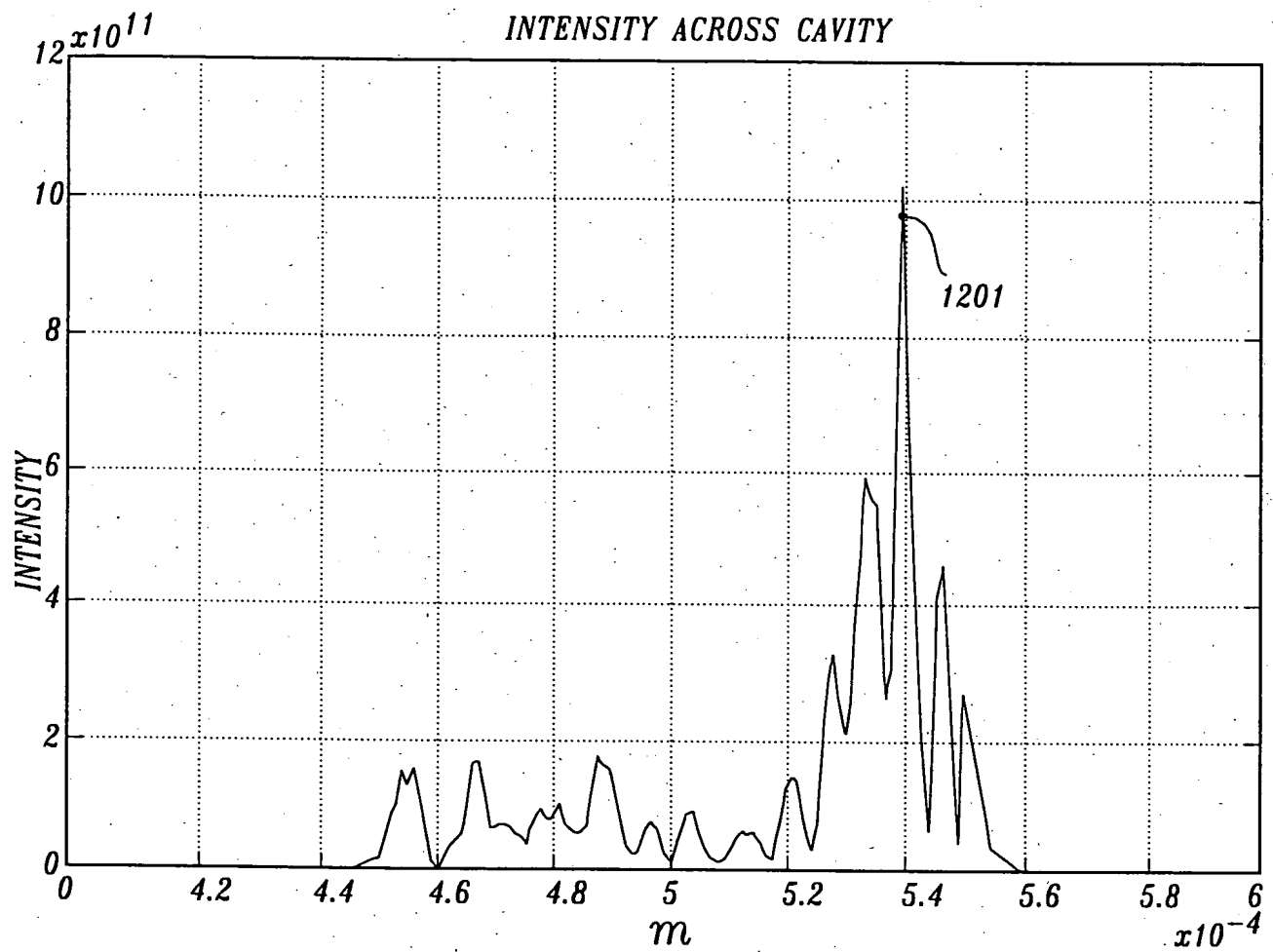
Title: HIGH-POWER BLUE AND GREEN LIGHT LASER  
GENERATION FROM HIGH-POWERED DIODE LASERS

Inventor: Ruey-Jen Hwu  
Docket No.: HWUJ122333

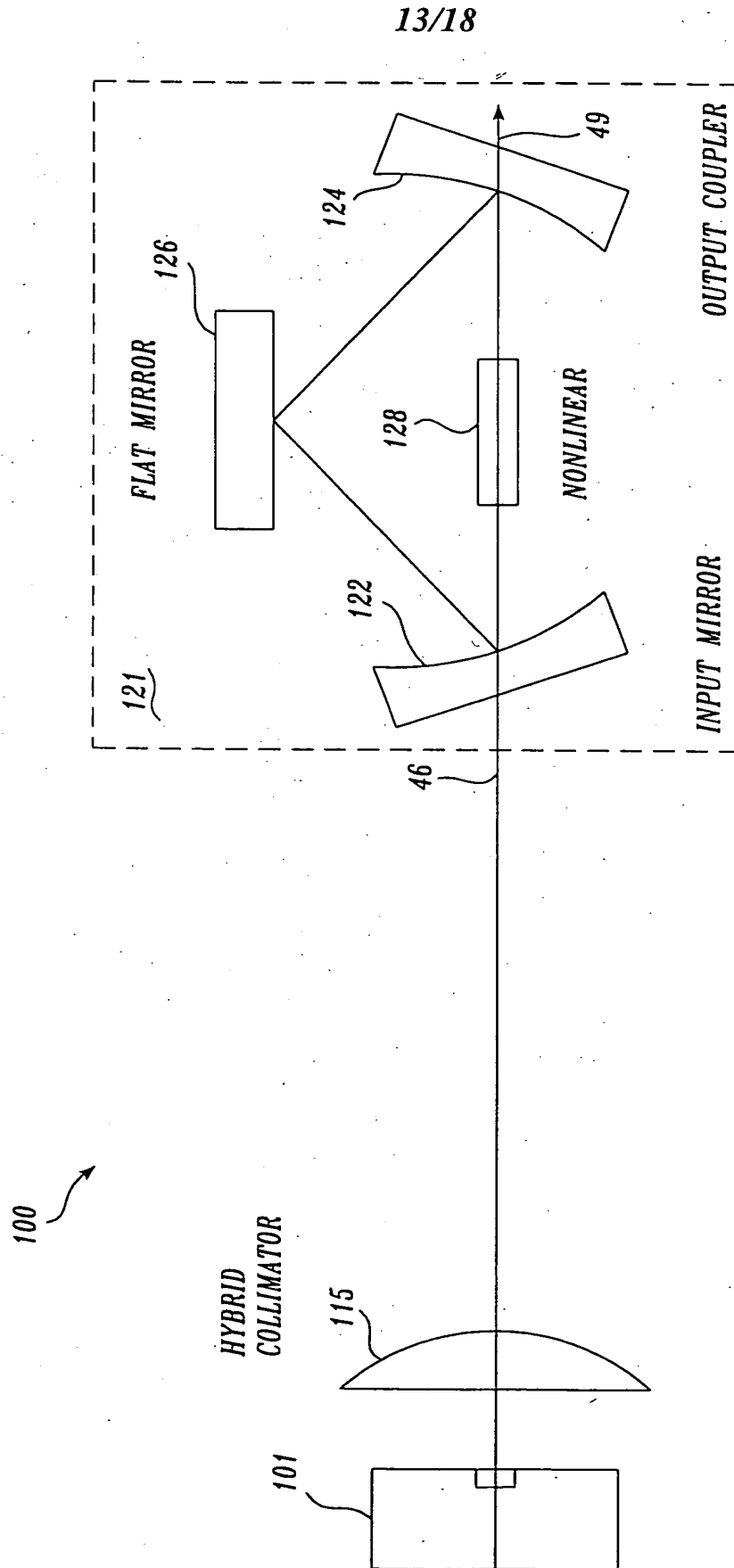
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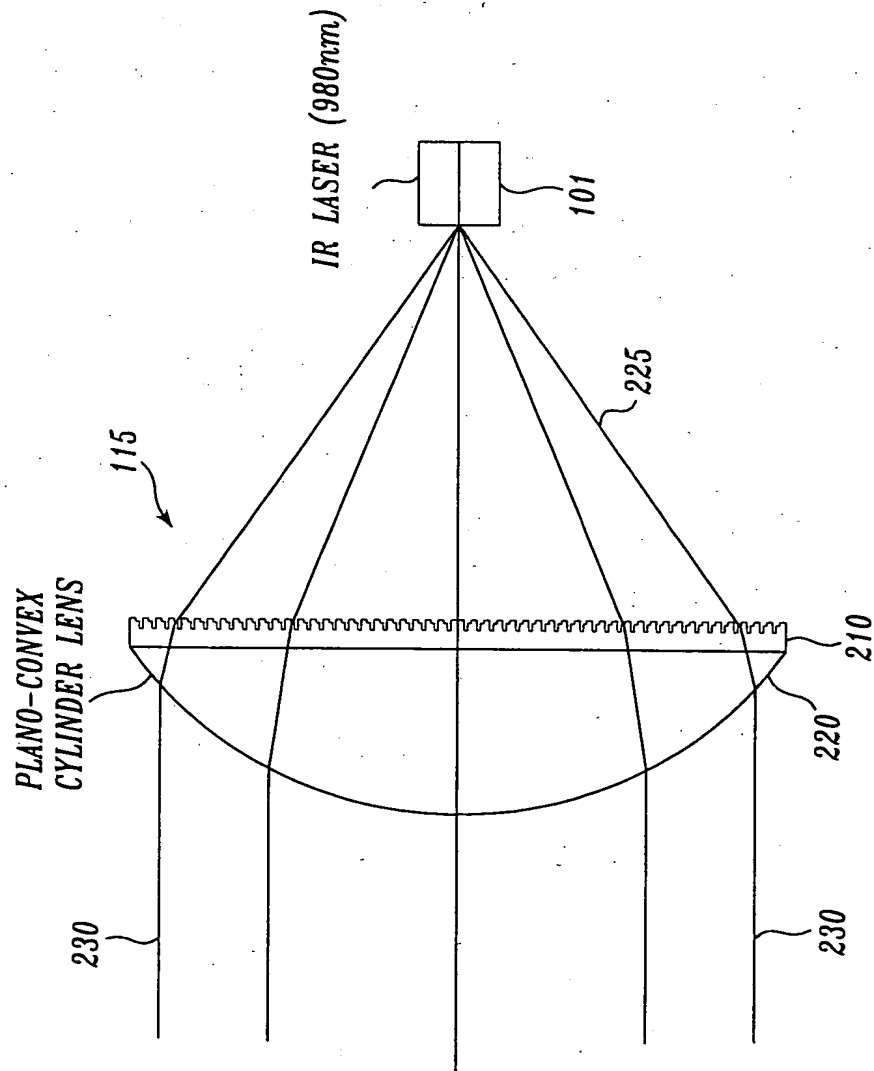


*Fig. 12.*



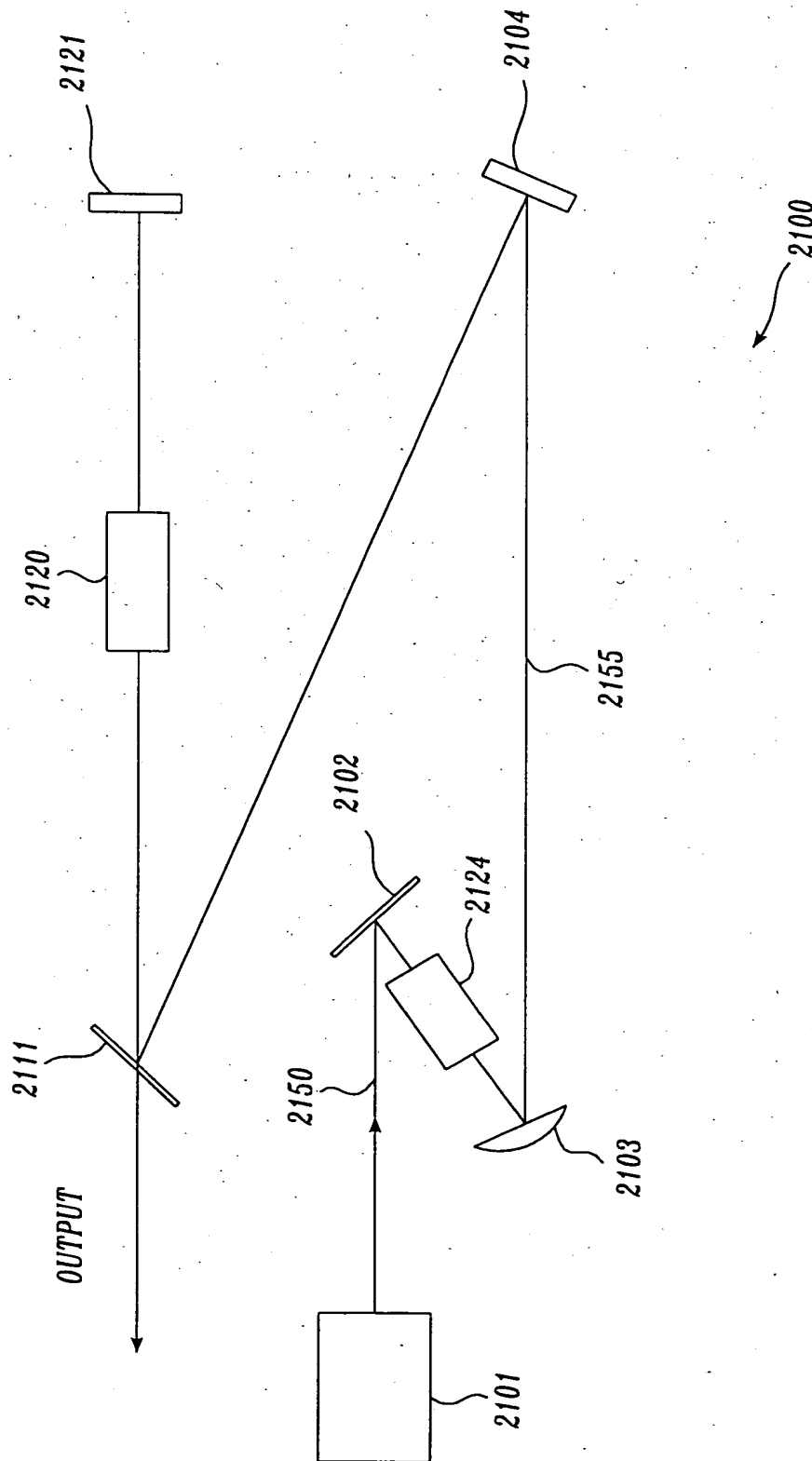
*Fig. 13.*

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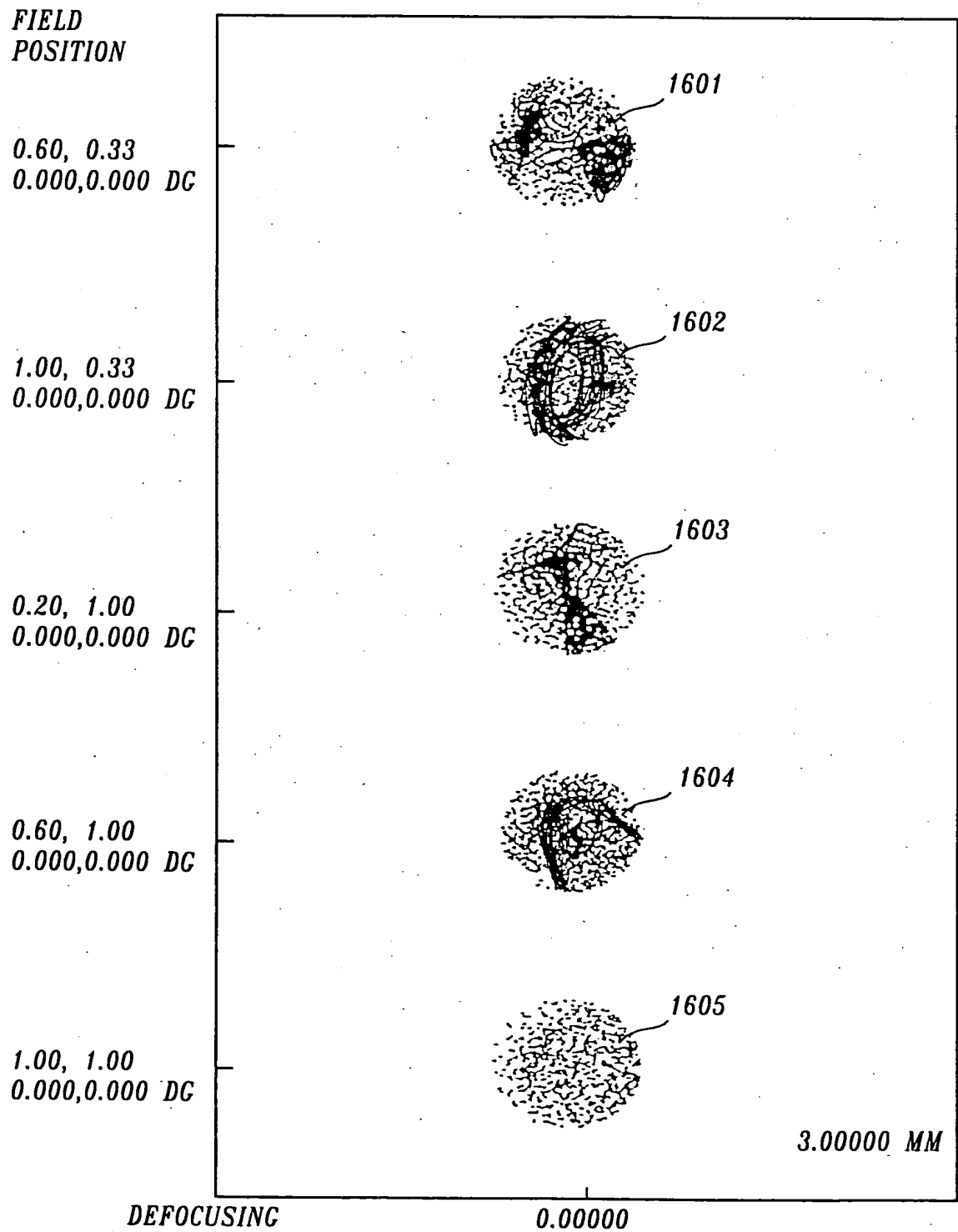
*Fig. 14.*

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*Fig. 15.*

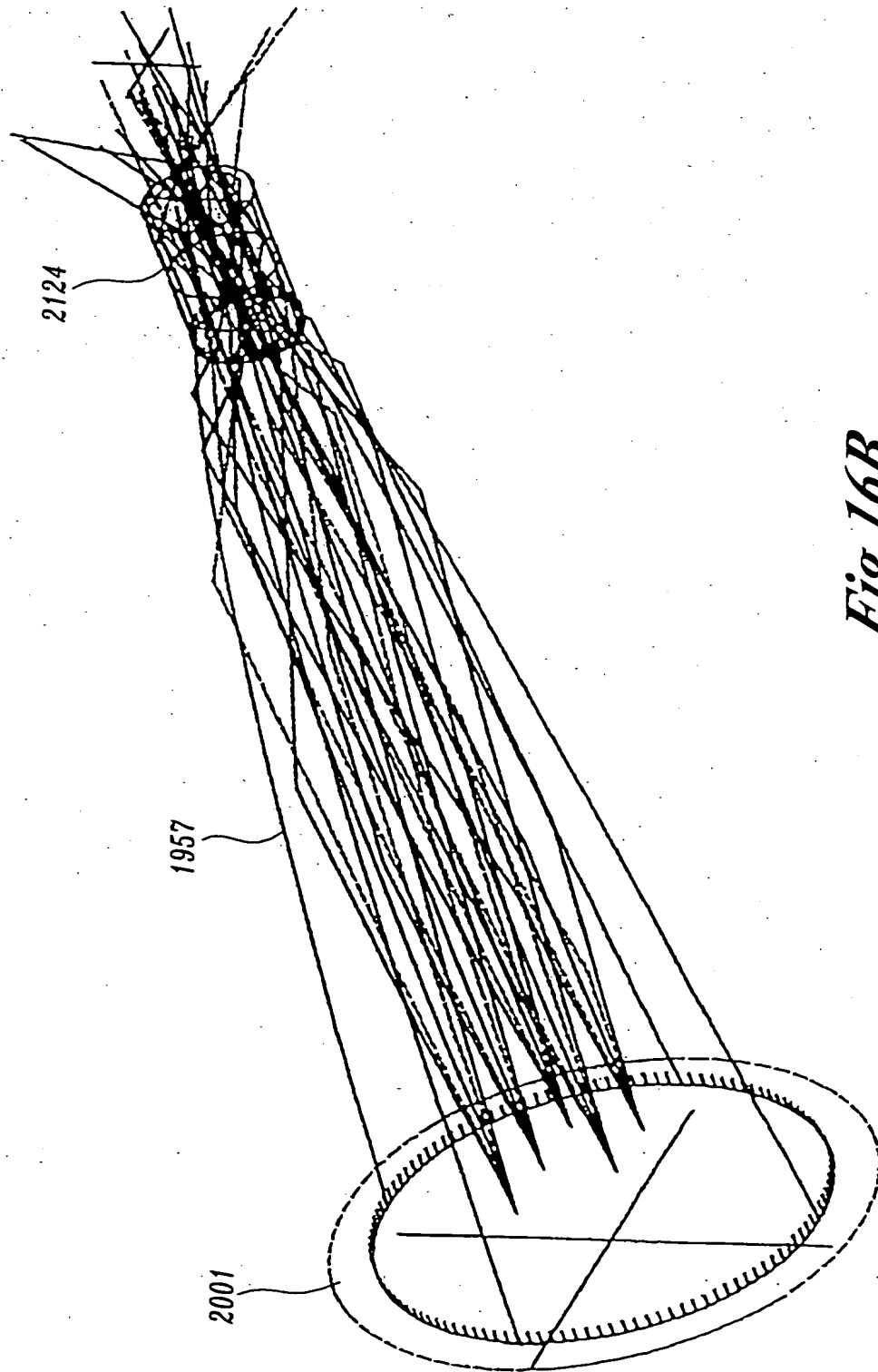
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*Fig. 16A.*

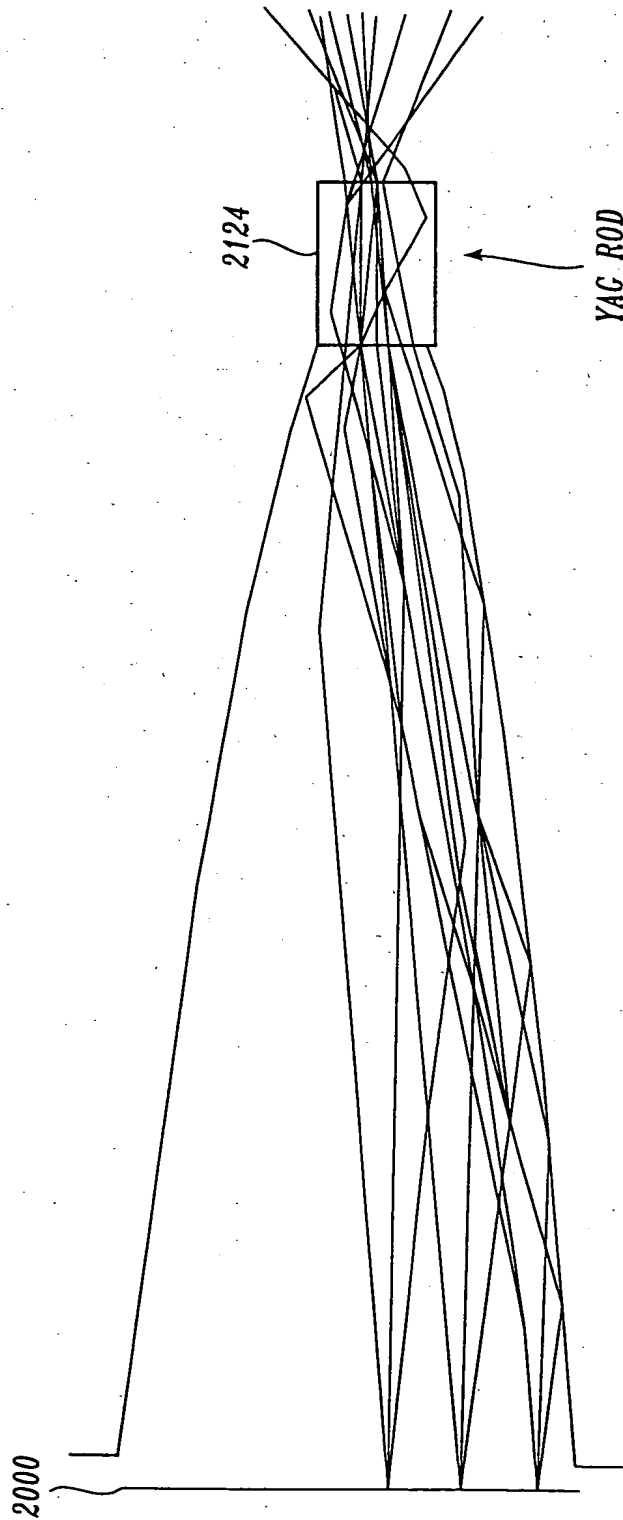


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*Fig. 16B.*

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*Fig. 16C.*